

DOCKETED

Docket Number:	15-RETI-02
Project Title:	Renewable Energy Transmission Initiative 2.0
TN #:	211902
Document Title:	HVDC Conversion of Southwest Powerlink
Description:	N/A
Filer:	Misa Milliron
Organization:	SDGE
Submitter Role:	Public Agency
Submission Date:	6/20/2016 3:08:37 PM
Docketed Date:	6/20/2016



A  Sempra Energy utility®

HVDC Conversion of Southwest Powerlink

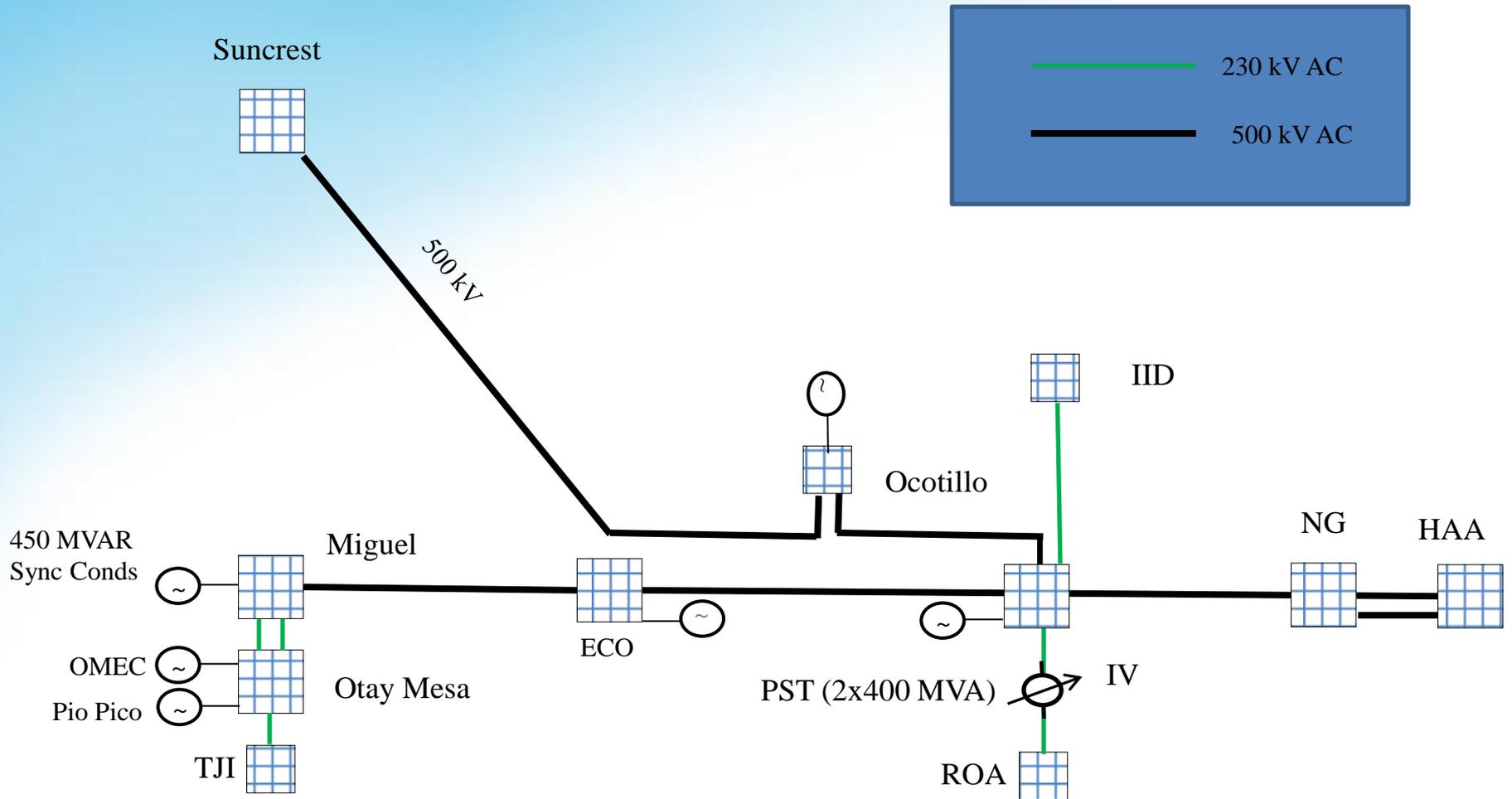
May 4, 2016



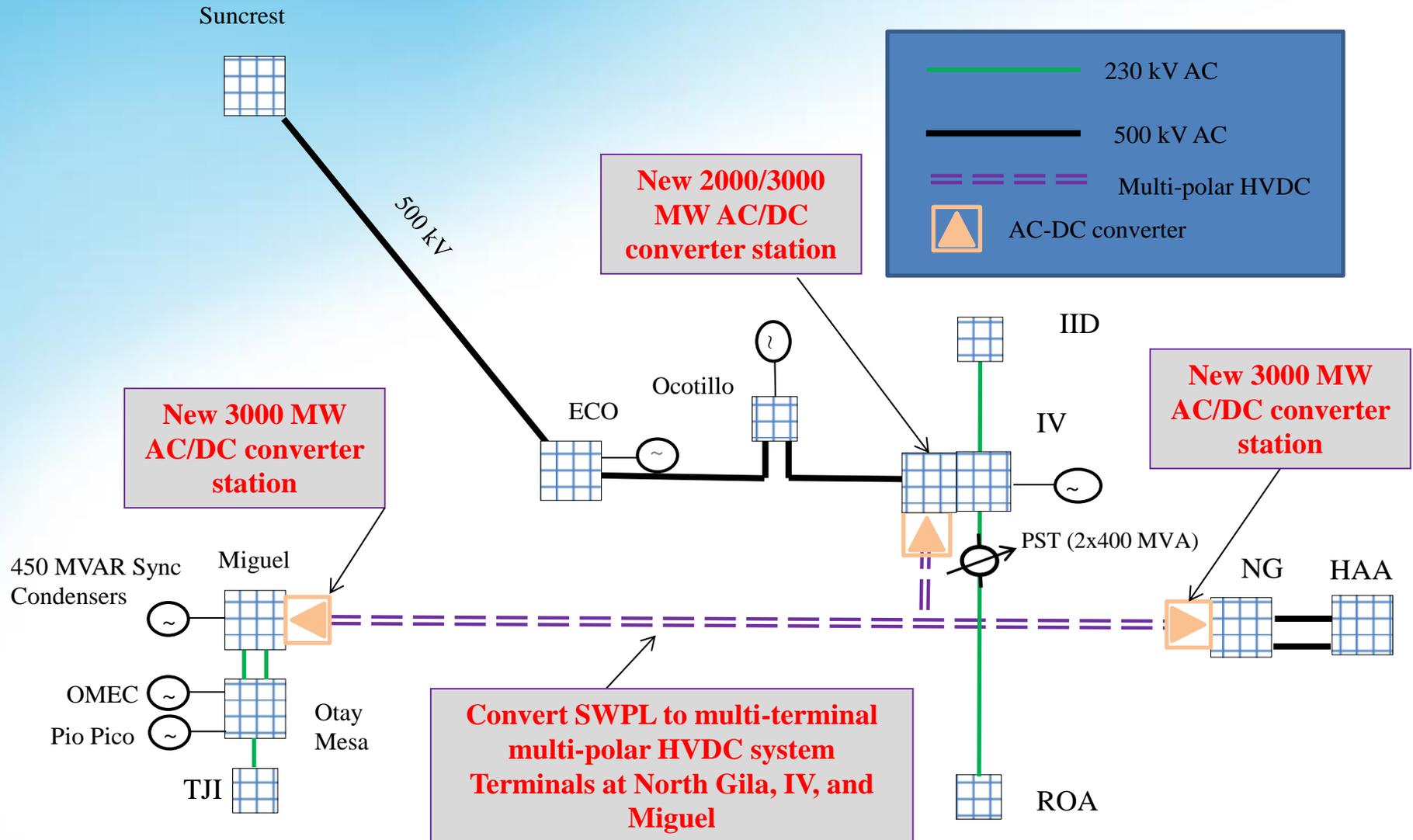
Southern California Electric System



SDG&E's Existing System



Proposed HVDC Conversion



What does it do?

- Significant interregional benefits by solving the loop flow issue for multiple parties (APS, SDG&E, IID, and CENACE)
- Reduces GHG emissions & provides improved access to both in-state and out-of-state renewables to meet 50% RPS goal.
- Allows the development of more renewables in El Centro, California by controlling intertie between CAISO and IID
- Increases West of River (WOR) and East of River (EOR) path ratings
- Reduces Greater IV/San Diego and Western LA Basin local LCR requirements
- Increases San Diego import capability by 500-1000 MW or more by mitigating worst N-1-1 contingency (Sunrise & SWPL)